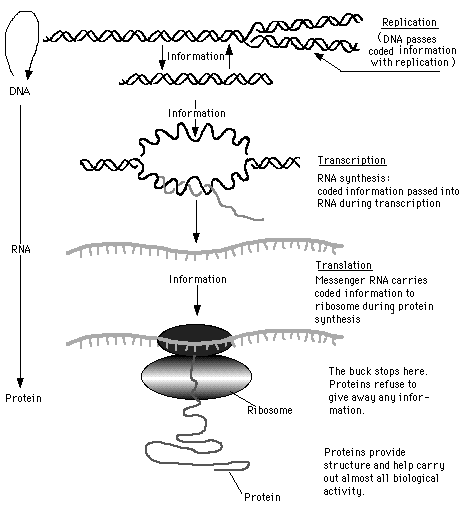
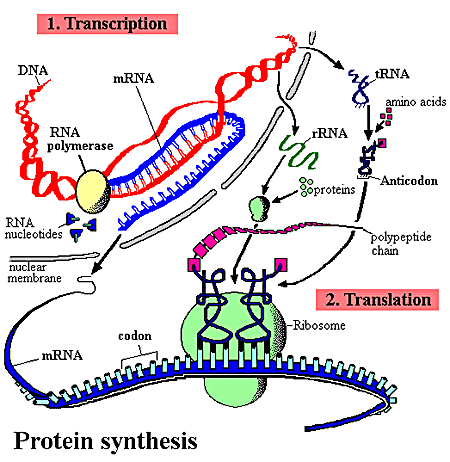
**Making Proteins Handout**





Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_

**Biology: Transcription/Translation Simulation**

**DISCUSSION QUESTIONS**

1. How does DNA direct protein synthesis from inside the nucleus? Sketch it below and label the process and players involved.
2. How does the RNA polymerase know which genes to bind to?
3. Describe the relationship between the sequence of the mRNA molecule and the amino acid sequence of the resulting protein. Draw an example of this and label the mRNA, amino acid and protein that is created.
4. What is the relationship between DNA and RNA? Which base pairs are involved in DNA and which in RNA?